OIPE JC184
MAY 17 2004
PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hargreaves et al.	Attorney Docket No.: STFUP091
Application No.: 10/682,637	Examiner: Not Yet Assigned
Filed: October 8, 2003	Group: 3736
Title: MRI GRADIENT WAVEFORM DESIGN USING CONVEX OPTIMIZATION	Confirmation No.: 1250

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on May 14, 2004 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____
Laura M. Dean

INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

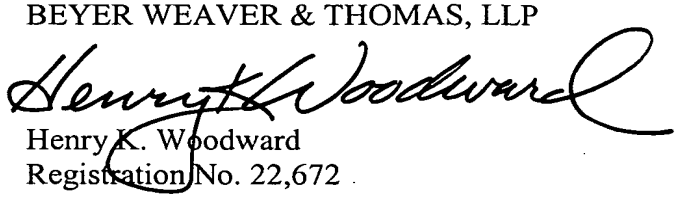
The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure

Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. STFUP091).

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP



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Form 1449 (Modified)	Atty Docket No.: STFUP091	Application No.: 10/682,637
Information Disclosure Statement By Applicant	Applicant: Hargreaves et al.	
(Use Several Sheets if Necessary)	Filing Date: 10/08/03	Group: 3736

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	6,255,929	07/03/01	Xu et al.	335	299	10/08/00
	B	6,075,365	06/13/00	Conolly	324	320	04/21/98
	C	6,067,001	05/23/00	Xu et al.	335	299	05/21/99
	D	6,020,739	02/01/00	Meyer et al.	324	309	04/25/97
	E	5,402,067	03/06/01	Dumoulin	324	307	08/04/93
	F	5,512,825	04/30/96	Atalar et al.	324	309	11/24/94
	G	5,539,313	07/23/96	Meyer	324	309	08/04/95
	H	5,402,067	03/28/95	Pauly et al.	324	307	08/04/93

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	I	Hargreaves et al., "*Time-Optimal Multidimensional Gradient Waveform Design for Rapid Imaging*," (2004), Magnetic Resonance in Medicine 51, pages 81-92.
	J	Simonetti et al., "*MRI Gradient Waveform Design by Numerical Optimization*," (1993), MRM 29, pages 498-504.
	K	Simonetti et al., "*An Optical Design Method for Magnetic Resonance Imaging Gradient Waveforms*," (June, 1993), IEEE Transactions on Medical Imaging, Vol. 12, No. 2, pages 350-360.

Examiner	Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.